



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

NCI Group, Inc.
14031 West Hardy
Houston, TX 77060

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 'R-Panels' 22 ga. & 24 ga. Structural Galvalume Steel 1-1/4" x 36" Roof Panels

APPROVAL DOCUMENT: Drawing # R95, titled "PBR Panel Flashing Detail", sheets 100 through 110, prepared by NCI Group, Inc., dated April 14, 2015, signed and sealed by Mark Detwiler, P.E., on April 14, 2015, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #12-0730.02 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, & E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
03/17/2016

NOA No. 15-0505.26
Expiration Date: 02/27/2018
Approval Date: 03/17/2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

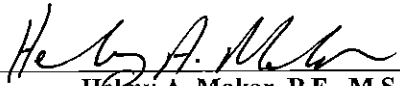
1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 96-0529.03

A. DRAWINGS

- | | | |
|----|----------------|-----------------------------|
| 1. | Title: | "R-Panel" Roof Panel |
| | Number: | R95, sheets 100 through 110 |
| | Signature: | Terrence E. Wolfe, P.E. |
| | Date: | 05/23/96 |
| | Revision Date: | 01/30/97 |

B. TESTS

- | | | |
|----|-------------|---|
| 1. | Laboratory | Farabaugh Engineering and testing, Inc. |
| | Number | T103-96, dated 01/18/96. |
| | Type: | Uniform static air pressure loading, per ASTM 1592 (22 ga R-Panel) |
| | Signature: | Daniel G. Farabaugh, P.E. |
| 2. | Laboratory | Farabaugh Engineering and testing, Inc. |
| | Number | T102-96, dated 01/11/96 |
| | Type: | Uniform static air pressure loading, per ASTM 1592 (24 ga R-Panel) |
| | Signature: | Daniel G. Farabaugh, P.E. |
| 3. | Laboratory | Farabaugh Engineering and testing, Inc. |
| | Number | T104-96, dated 01/05/96 |
| | Type: | Large missile impacts, per PA 201-94 (24 ga R-Panel) |
| | Signature: | Daniel G. Farabaugh, P.E. |
| 4. | Laboratory | Farabaugh Engineering and testing, Inc. |
| | Number | T118-96, dated 04/26/96 |
| | Type: | Susceptibility to leakage for class 1 metal roof panel, per "FM 4471-G" (24 ga R-Panel) |
| | Signature: | Daniel G. Farabaugh, P.E. |
| 5. | Laboratory: | West Penn Testing Laboratories, Inc. |
| | Number: | WP-9048 (Report # 034), dated 01/31/96 |
| | Type: | Tensile Strength (22 ga R-Panel) |
| | Signature: | Todd A. Ault |
| 6. | Laboratory: | West Penn Testing Laboratories, Inc. |
| | Number: | WP-9048 (Report # 034), dated 01/31/96 |
| | Type: | Tensile Strength (22 ga and 24 ga R-Panels) |
| | Signature: | Todd A. Ault |


Henry A. Makar, P.E., M.S.
Product Control Section Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. Laboratory: Center For Applied Engineering, Inc.
 Number: MTS No. 257558, dated 03/27/96
 Type: Wind Driven Rain Test per PA 100-95 (24 ga R-Panels)
 Signature: R. G. Miller, P.E.

C. CALCULATIONS

1. Title: 22 gage and 24 gage R-Panel
 Signature: Terrence E. Wolfe, P.E.
 Date: 05/23/96

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0823.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. STATEMENTS

1. Letter requesting renewal of NOA No. 96-0529.03 and stating that the product has not changed, dated August 12, 1999, signed by Brian N. Jaks.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-1016.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.



Helmy A. Makar, P.E., M.S.
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D. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0212.06

A. DRAWINGS

1. *None.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test on R-Panel 24 ga. X 36" wide, prepared by Farabaugh Engineering and Testing Inc., Report No. T216-07, dated 06/15/2007, signed and sealed by Patrick J. Farabaugh, P.E. and Daniel G. Farabaugh, P.E.*
2. *Test report on Uniform Static Air Pressure Test on PRB-Panel 22 ga. X 36" wide, per ASTM 1592-01, prepared by Force Engineering & Testing Inc., Report No. 07-0004T-08A, B, dated 01/28/2008, signed and sealed by Terrence E. Wolfe, P.E.*
3. *Test report on Uniform Static Air Pressure Test on PRB-Panel 22 ga. X 36" wide, per ASTM 1592-01, prepared by Force Engineering & Testing Inc., Report No. 07-0004T-08C, dated 01/28/2008, signed and sealed by Terrence E. Wolfe, P.E.*
4. *Test report on Uniform Static Air Pressure Test on PRB-Panel 24 ga. X 36" wide, per ASTM 1592-01, prepared by Force Engineering & Testing Inc., Report No. 07-0004T-08D, E, dated 01/28/2008, signed and sealed by Terrence E. Wolfe, P.E.*
5. *Test report on Uniform Static Air Pressure Test on PRB-Panel 24 ga. X 36" wide, per ASTM 1592-01, prepared by Force Engineering & Testing Inc., Report No. 07-0004T-08F, dated 01/28/2008, signed and sealed by Terrence E. Wolfe, P.E.*
6. *Test procedure for wind and wind driven rain resistance of discontinuous roof systems performance for R-Panel Steel Roof 36" wide x 24 ga. Per TAS 100-95, test report # T351-07, dated 12/20/07, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

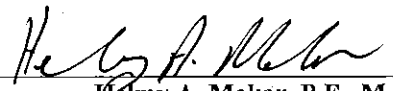
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test foe 22 ga. From test # 07-0004T-08A, B.*
2. *Tensile Test foe 24 ga. From test # 07-0004T-08A, B.*



Kelly A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 15-0505.26
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Approval Date: 03/17/2016

NCI Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0810.07

A. DRAWINGS

1. *Drawing with no number, titled "PBR Panel Flashing Detail", sheets 1 through 11, prepared by NCI Group, Inc., dated July 27, 2011, signed and sealed by Mark Detwiler, P.E., on July 27, 2011.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Bill of Sale, assignment and Assumption Agreement.*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0730.02

A. DRAWINGS

1. *Drawing # R95, titled "PBR Panel Flashing Detail", sheets 100 through 110, prepared by NCI Group, Inc., dated July 02, 2012, signed and sealed by Mark Detwiler, P.E., on July 02, 2012.*

B. TESTS

1. *None.*

C. CALCULATIONS

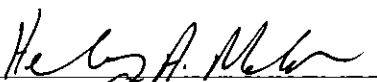
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 15-0505.26
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Approval Date: 03/17/2016

NCI Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing # R95, titled "PBR Panel Flashing Detail", sheets 100 through 110, prepared by NCI Group, Inc., dated April 14, 2016, signed and sealed by Mark Detwiler, P.E., on April 14, 2016.*

B. TESTS

1. *None.*

C. CALCULATIONS

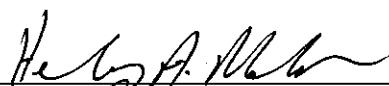
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

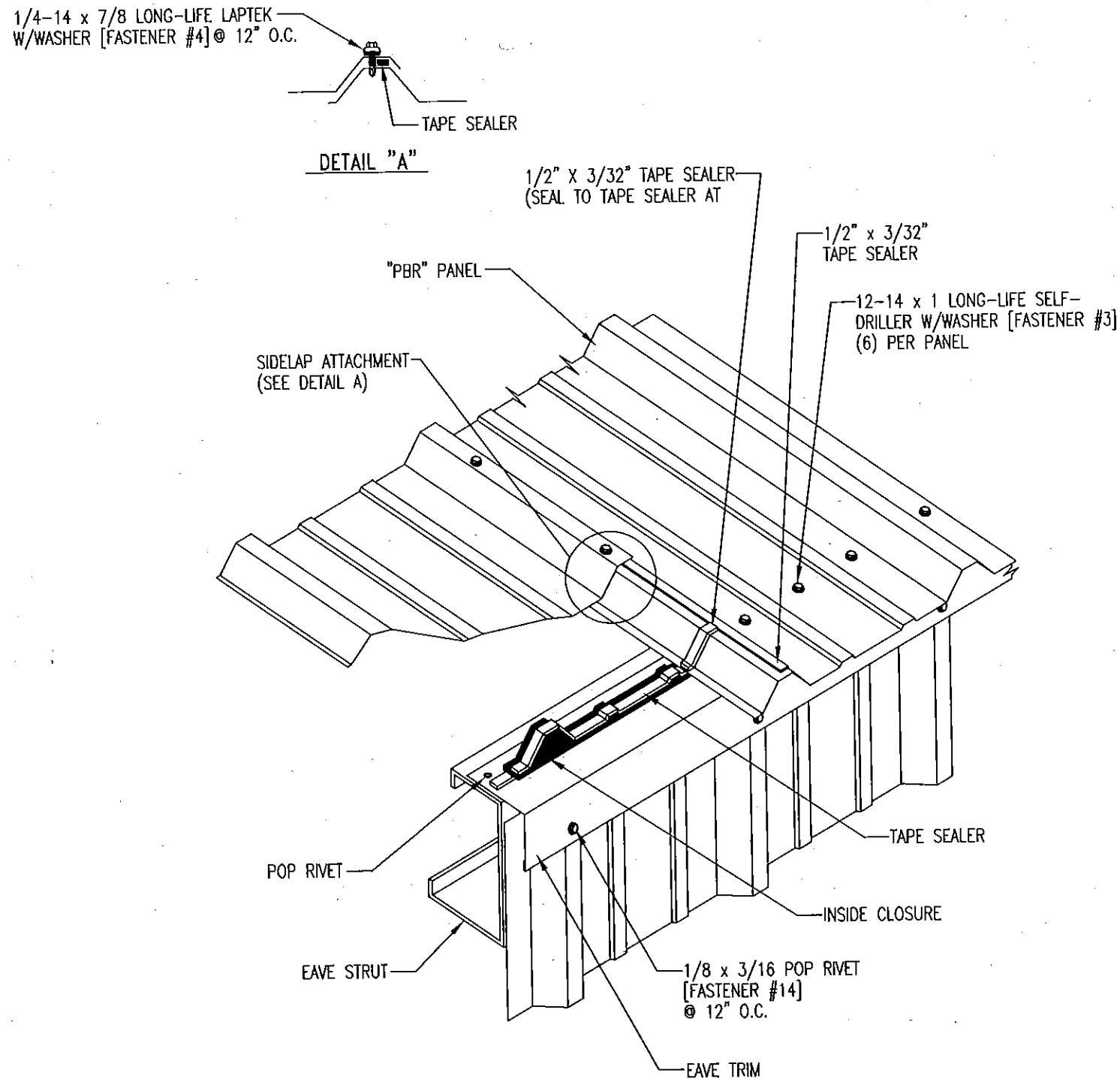
E. MATERIAL CERTIFICATIONS

1. *None.*

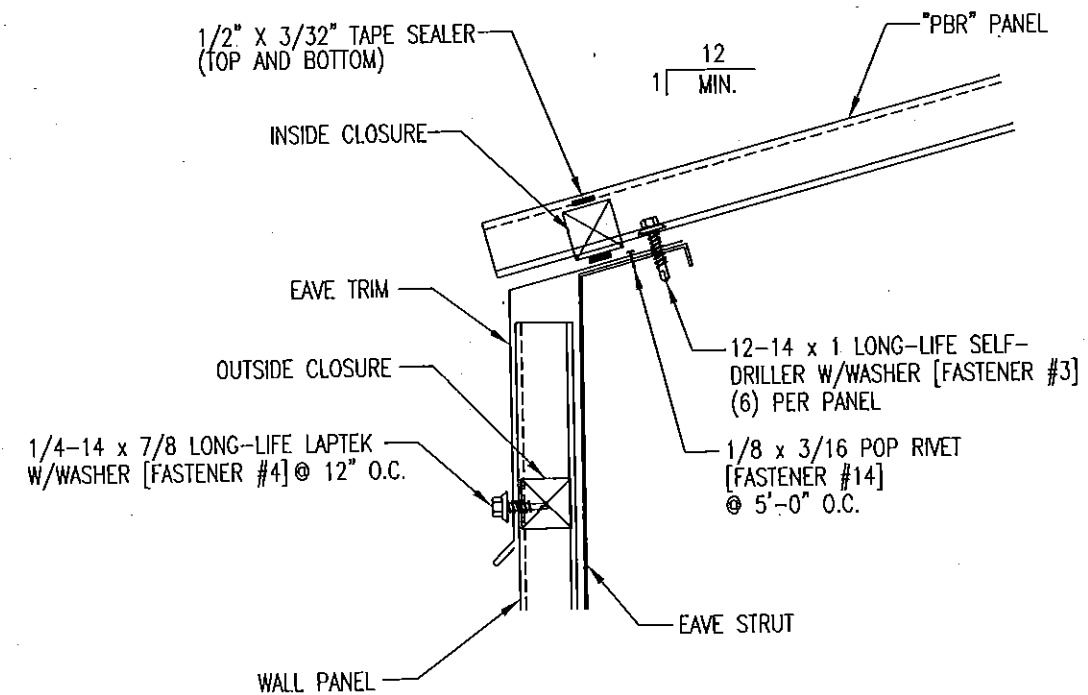


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 15-0505.26
Expiration Date: 02/27/2018
Approval Date: 03/17/2016

TYPICAL DETAILS OF EAVE TRIM

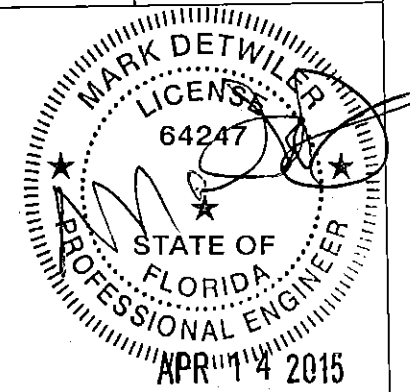



ISOMETRIC VIEW OF EAVE TRIM



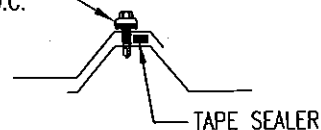
CROSS SECTION OF EAVE TRIM

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0505.26
Expiration Date 02/27/2018
By H. A. Mc
Miami Dept. Product Control

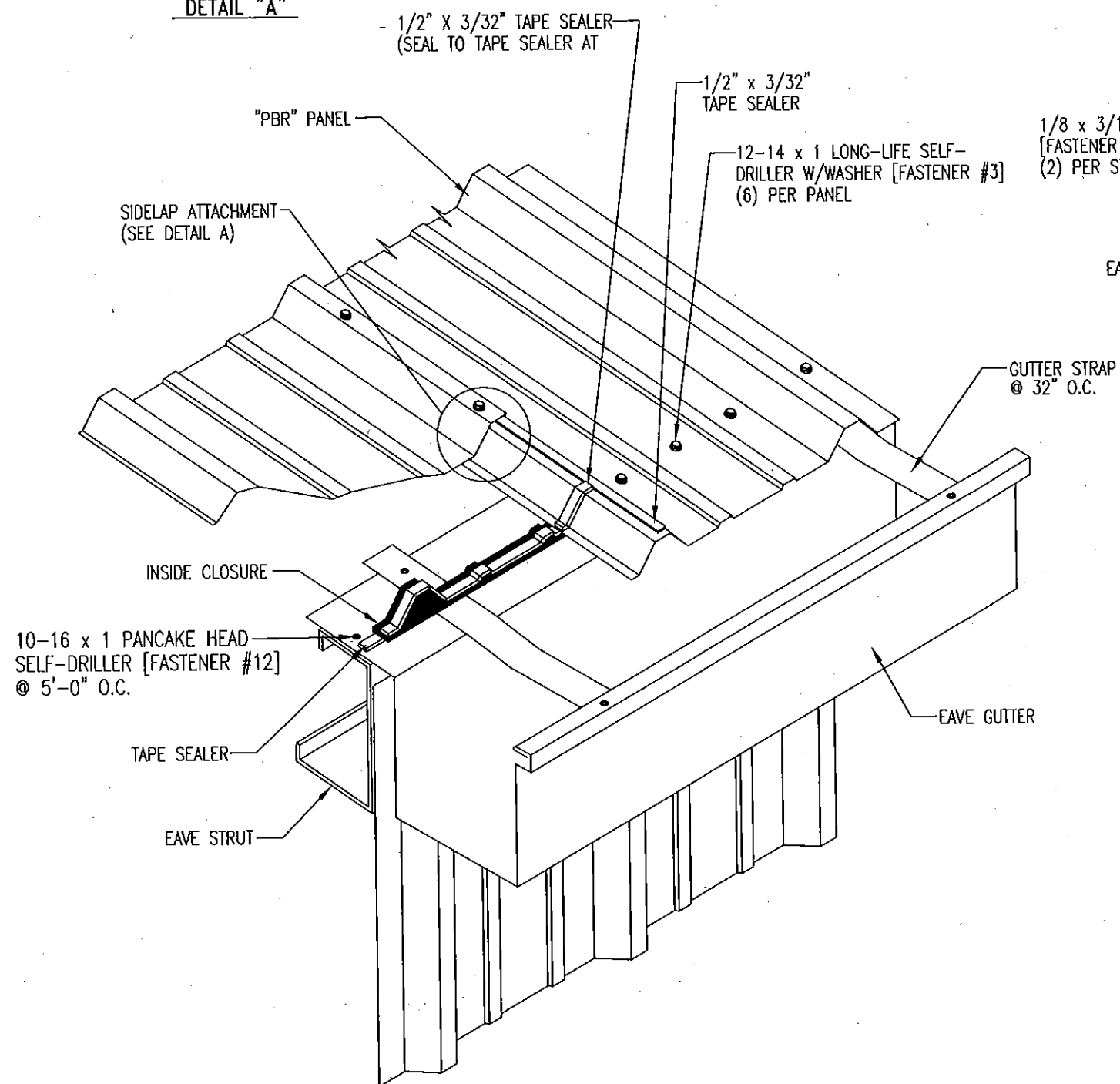


<div><div><div>NCI GROUP, INC.</div><div>CORPORATE OFFICES 1700 FAIRVIEW DR. HOUSTON TX 77041 (800) 771-9378 MALLIN I P.O. BOX 4028 HOUSTON TX 77240-9020</div></div><div><div>SHEET TITLE: PBR PANEL FLASHING DETAIL</div><div>Project Name and Location: DADIE COUNTY PRODUCT APPROVAL DADIE COUNTY, FLORIDA</div></div></div>	Revision	Date	Description	By	Ck'd	
Scale: NOT TO SCALE						
Drawn by: EH						
Checked by: JA						
Job Number: 96-0529-03						
Sheet Number: R95 / 100						
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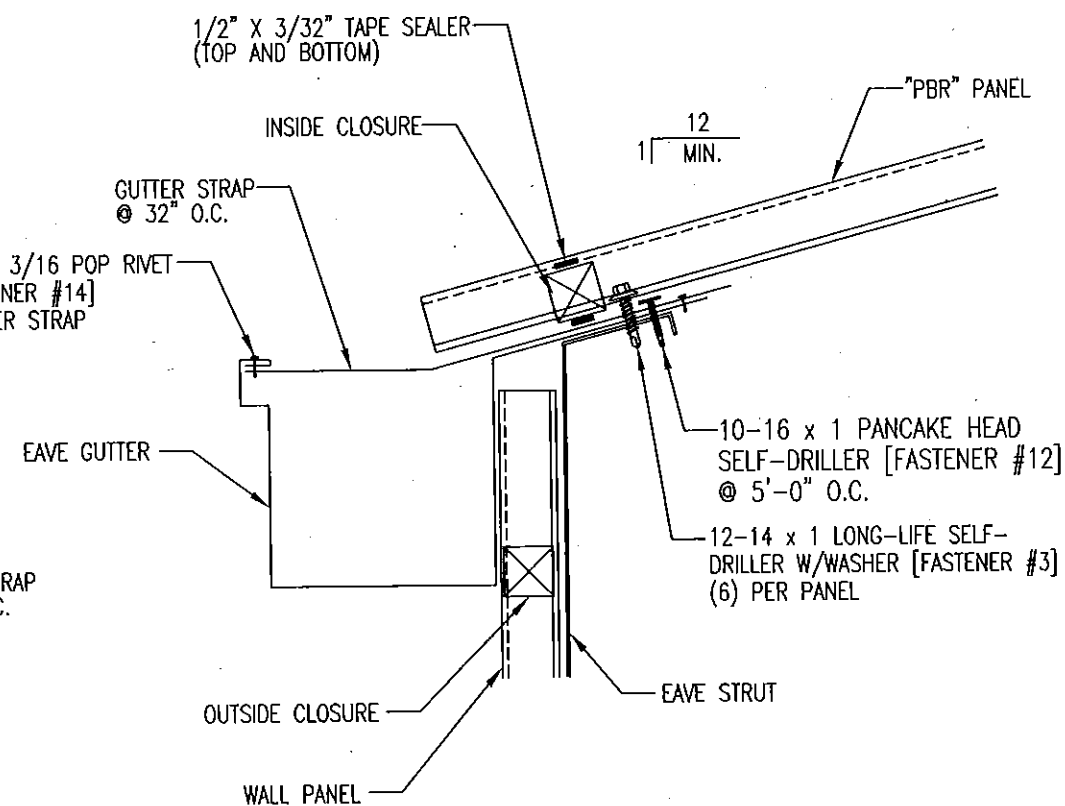
1/4-14 x 7/8 LONG-LIFE LAPTEK —
W/WASHER [FASTENER #4] @ 12" O.C.



DETAIL "A"




ISOMETRIC VIEW OF EAVE WITH GUTTER



CROSS SECTION OF EAVE WITH GUTTER

[illegible]

 <p>NCD GROUP, INC.</p> <p>CORPORATE OFFICES 7281 ENRIQUEY DR. HOUSTON TX 77041 280 771-9078 MAILING, P.O. BOX 40220 HOUSTON TX 77244-0220</p>	<p><i>Project Name and Location:</i></p> <p>DADE COUNTY PRODUCT APPROVAL DADE COUNTY, FLORIDA</p>
<p>SHEET TITLE:</p> <p>2BR PANEL FLASHING DETAIL</p>	

Scale: NOT TO SCALE

Drawn by EH

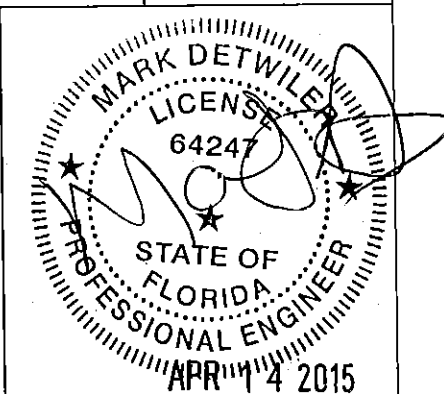
Checked by: JA

Job Number: 96-0529-03

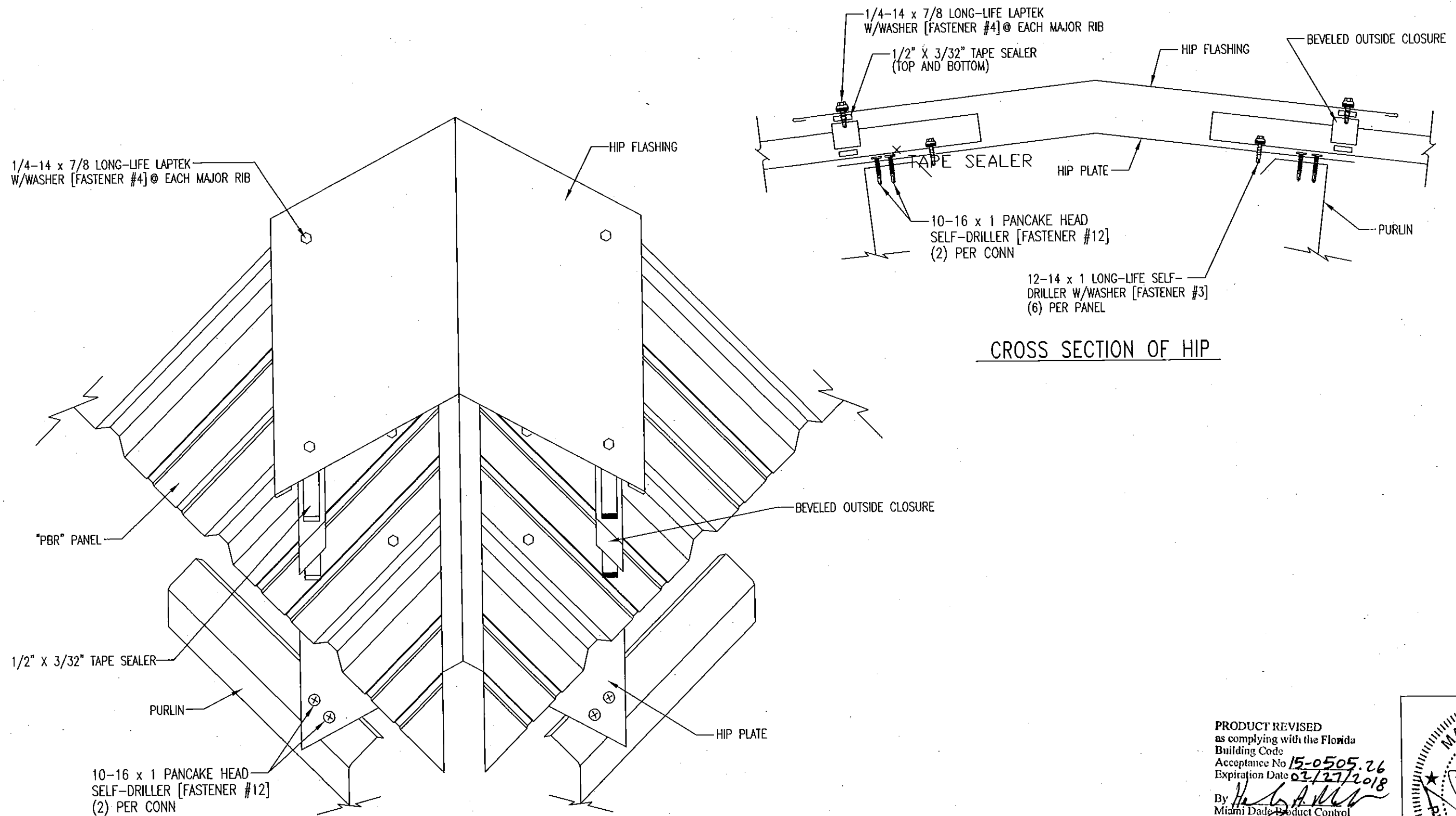
Sheet Number: R95 / 101

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Miami Dade Product Control



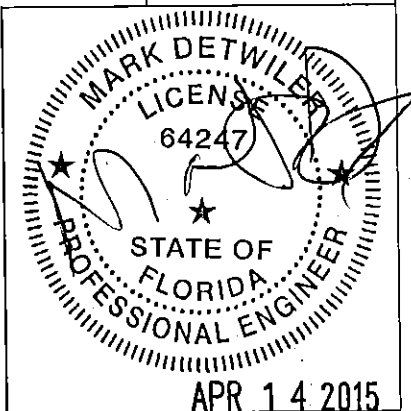
TYPICAL DETAILS OF HIP



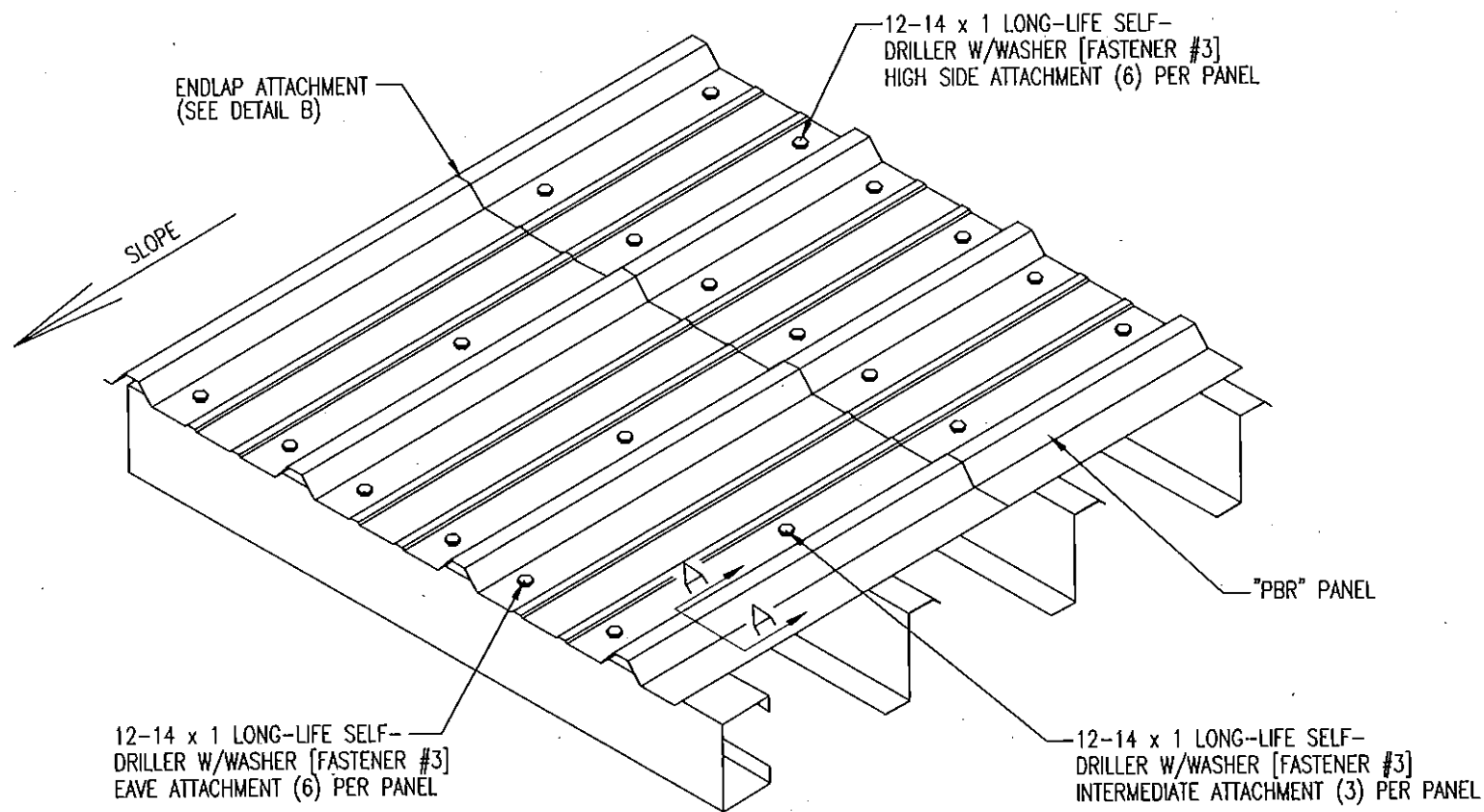
ISOMETRIC VIEW OF HIP

CROSS SECTION OF HIP

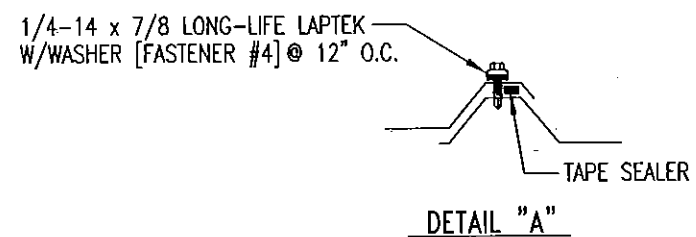
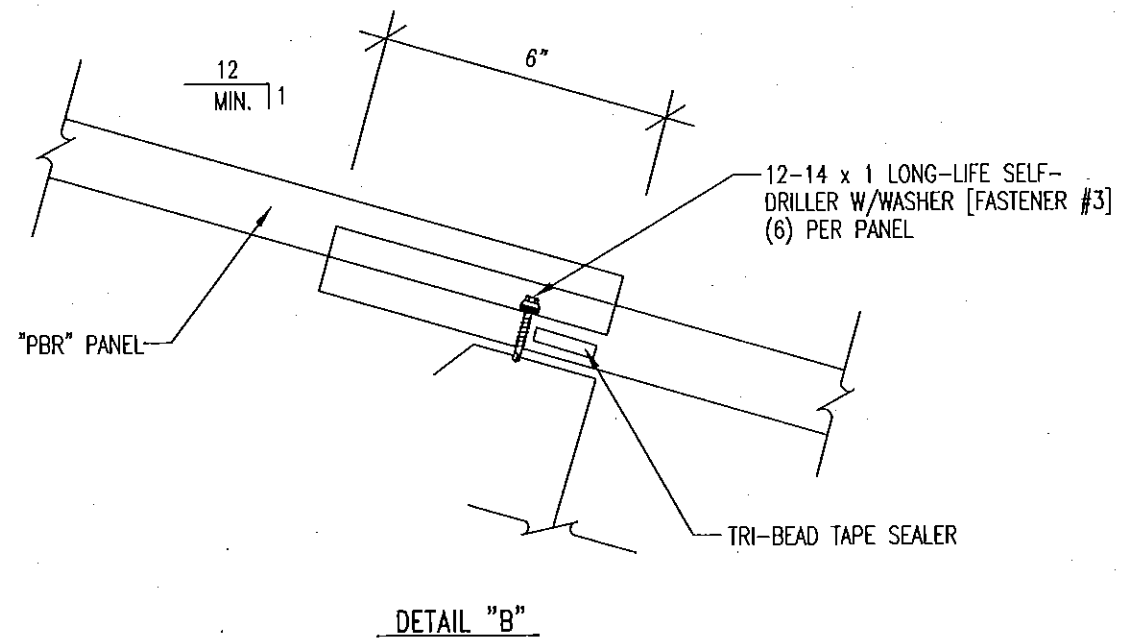
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Expiration Date **02/27/2018**
By **H. G. A. M.**
Miami Dade Product Control

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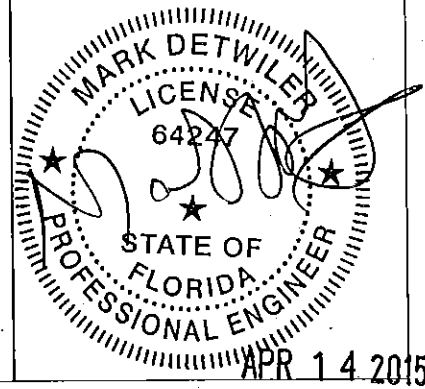
TYPICAL DETAILS OF PANEL LAPS



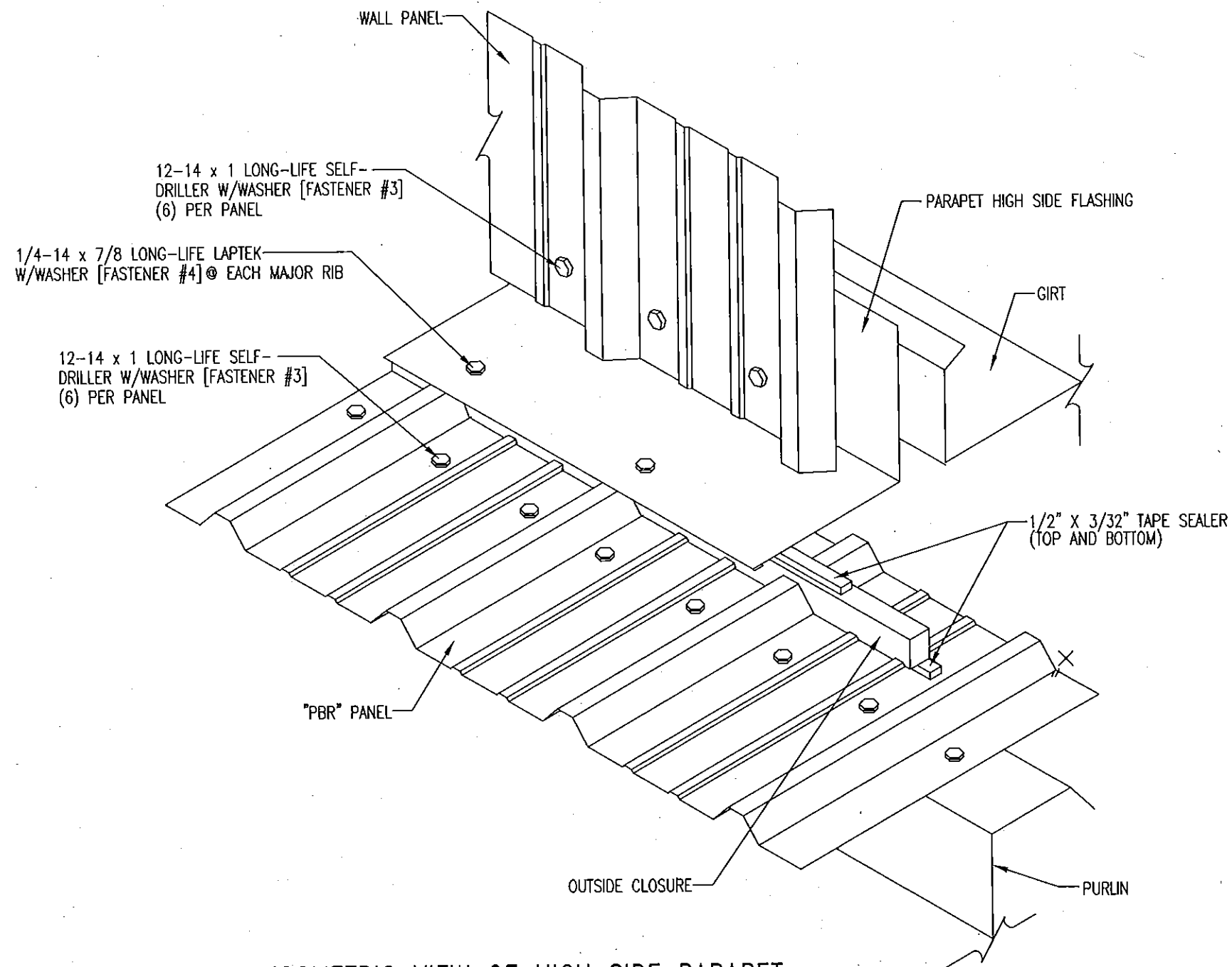
ISOMETRIC VIEW OF "PBR" PANEL ROOF



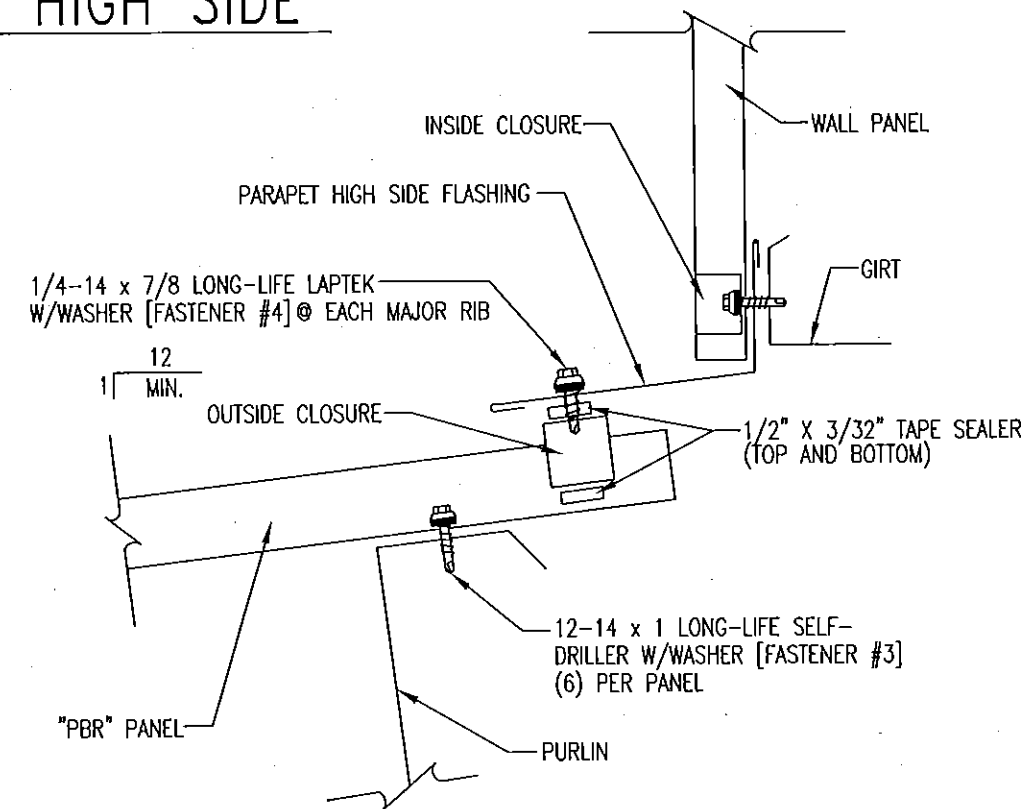
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By Heidi A. Miller
Miami-Dade Product Control

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TYPICAL DETAILS OF PARAPET HIGH SIDE




ISOMETRIC VIEW OF HIGH SIDE PARAPET



CROSS SECTION OF HIGH SIDE PARAPET

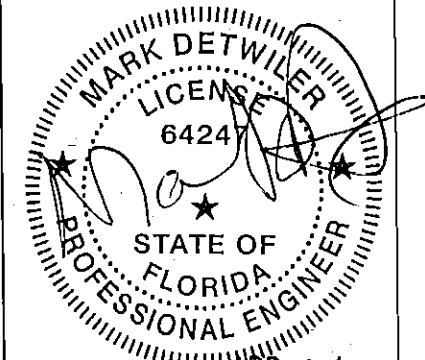
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		CORPORATE OFFICES 17201 FAIRVIEW BL. HOUSTON TX 77041 6800 777-3378 MAILING / P.O. BOX 40920 HOUSTON TX 77240-0920	
SHEET TITLE: FBR, PANEL FLASHING DETAIL		Project Name and Location: TADE COUNTY PRODUCT APPROVAL TADE COUNTY, FLORIDA	

Scale:	NOT TO SCALE
Drawn by:	EH
Checked by:	JA
Job Number:	96-0529-03
Sheet Number:	R95 / 104

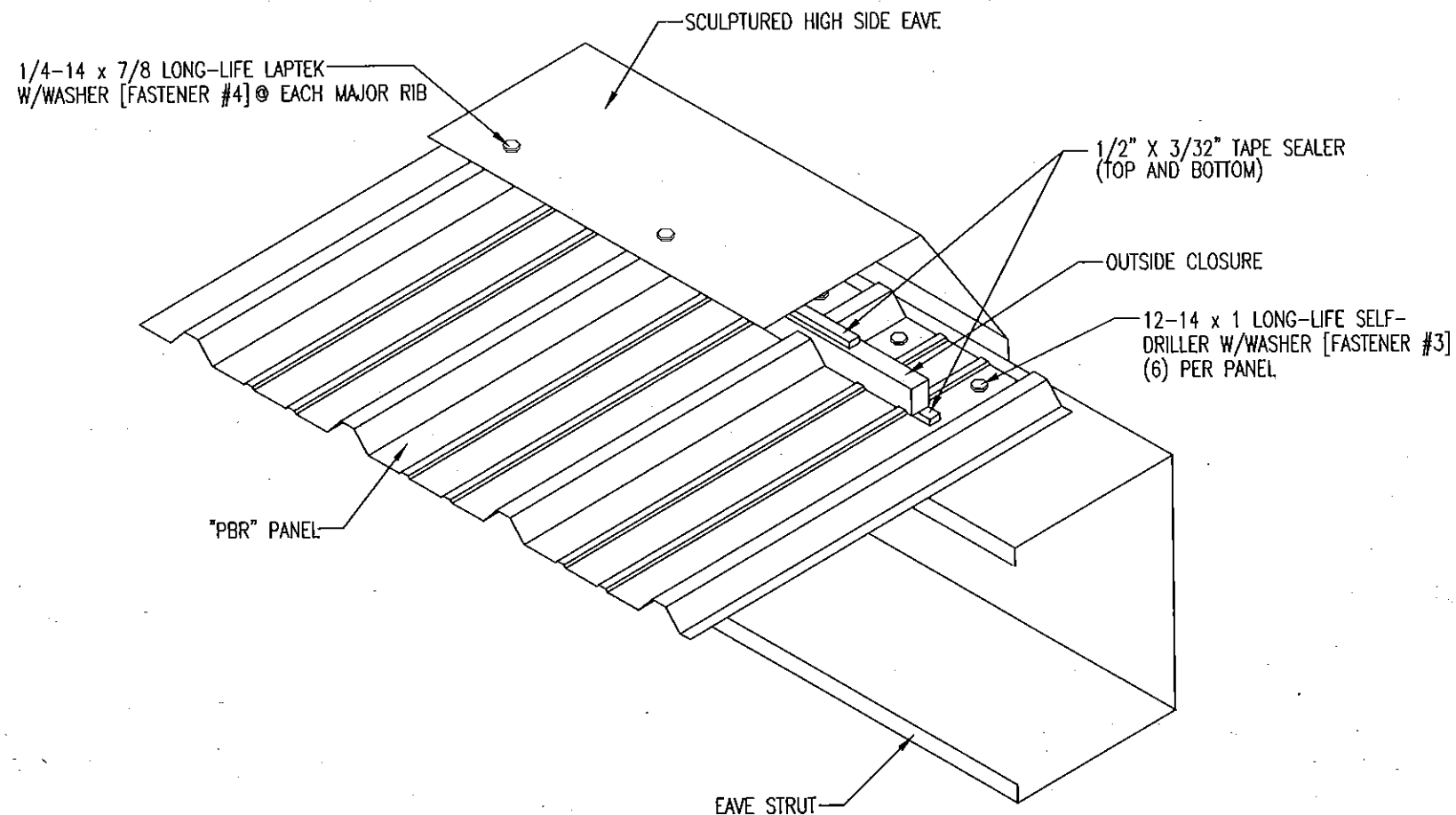
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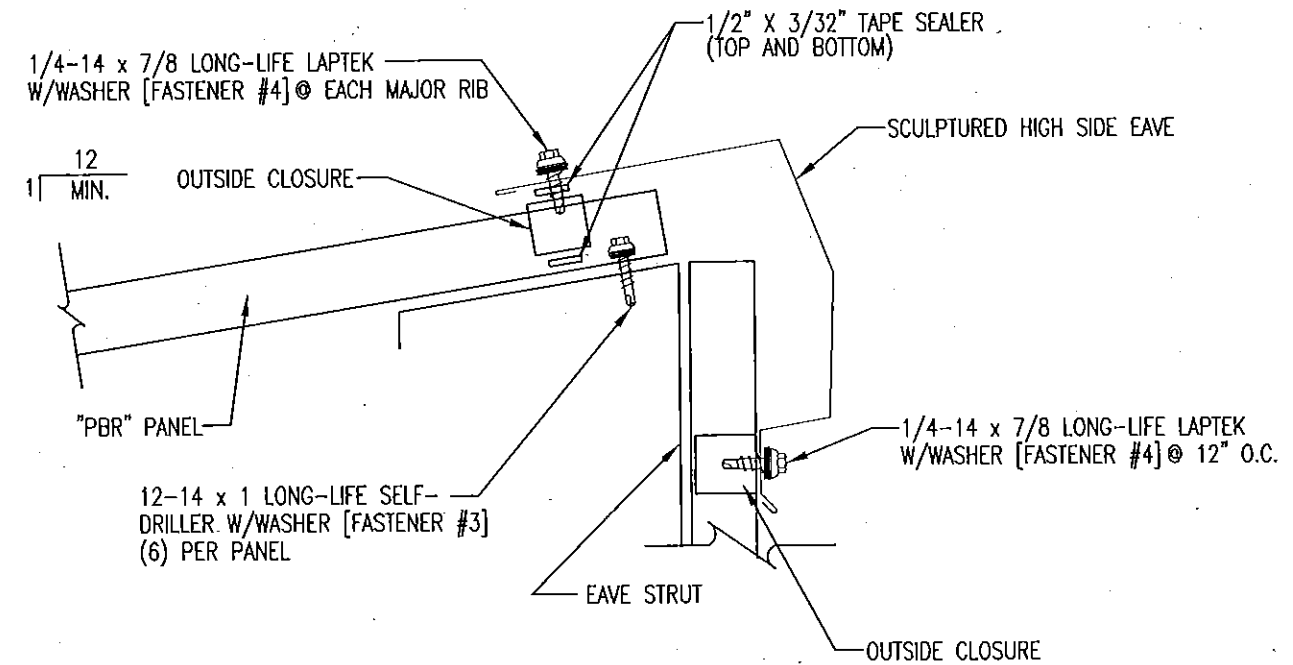


APR 14 2015

TYPICAL DETAILS OF HIGH SIDE EAVE

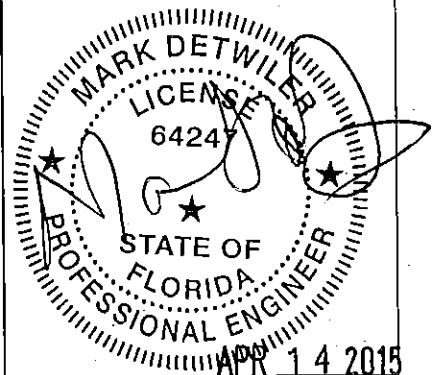



ISOMETRIC VIEW OF HIGH SIDE EAVE

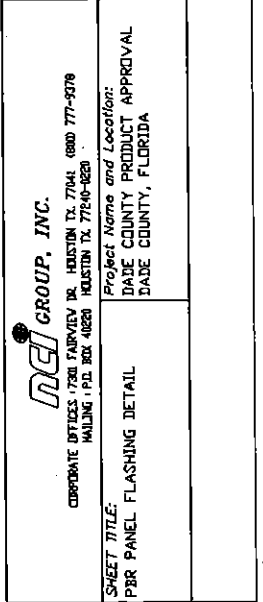


CROSS SECTION OF HIGH SIDE EAVE

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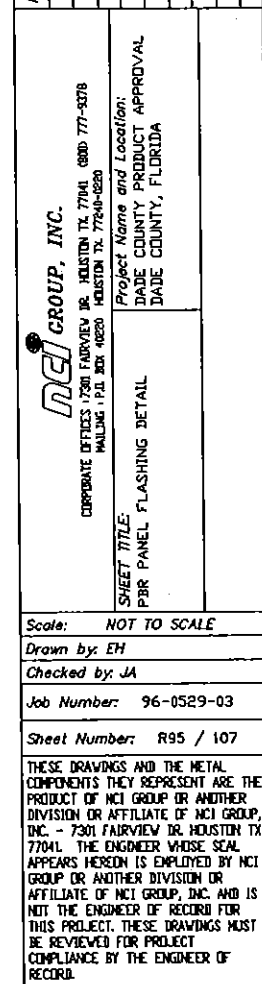
<div><div><div>NCI GROUP, INC.</div><div>CORPORATE OFFICES 1700 FAIRVIEW DR. HOUSTON TX 77041 (800) 777-9078 HOUSTON TX 77040-0620 MAILING 1 P.D. BOX 4020</div></div><div><div>SHEET TITLE: PBR PANEL FLASHING DETAIL</div><div>Project Name and Location: DANE COUNTY PRODUCT APPROVAL DANE COUNTY, FLORIDA</div></div></div>	Revision	Date	Description	By	Ch'd	
Scale: NOT TO SCALE						
Drawn by: EH						
Checked by: JA						
Job Number: 96-0529-03						
Sheet Number: R95 / 105						
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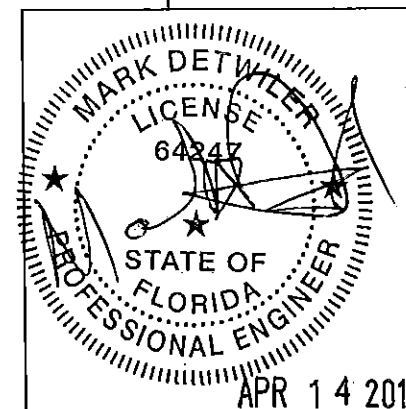
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MARK DETWILER
 LICENSE
 64247
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 APR 14 2015

APR 14 2015

[illegible]

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0505.26
Expiration Date 02/27/2018
By [Signature]
Miami Dade Product Control



Technical drawing illustrating the assembly of a roof ridge. The drawing shows a cross-section of the ridge structure, including the ridge cap, purlins, and panels.

Key components and dimensions labeled:

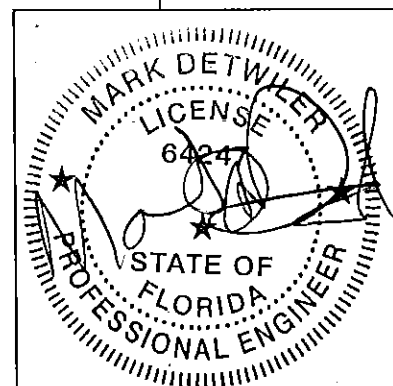
- 1'-0"**: Overall length of the ridge cap section.
- 12 MIN.**: Minimum spacing between purlins.
- 6"**: Spacing between panels.
- 12-14 x 1 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #3] (6) PER PANEL**: Specification for the fasteners used to secure the panels.
- "PBR" PANEL**: Label for the main roof panel.
- PEAK PURLIN**: Label for the purlin at the ridge peak.
- 1/2" x 3/32" TAPE SEALER**: Label for the tape sealer used to seal the joint between panels.
- RIDGE CAP**: Label for the ridge cap itself.

Diagram illustrating the assembly of a roof ridge using PBR (Polymer Bitumen Resin) panels and a ridge cap.

Labels and components shown:


- 12-14 x 1 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #3] (6) PER PANEL**: Points to the fasteners securing the panels.
- RIDGE CAP**: Points to the cap installed over the ridge.
- 1/4-14 x 7/8 LONG-LIFE LAPTEK W/WASHER [FASTENER #4] (4) PER RIDGE CAP**: Points to the fasteners securing the ridge cap.
- "PBR" PANEL**: Points to the main roofing panels.
- PEAK PURLIN**: Points to the structural support at the ridge peak.
- 1/2" x 3/32" TAPE SEALER**: Points to the tape used for sealing the joint.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0505.26
Expiration Date 02/27/2018
By *H. G. A. Miller*
Miami Dade Product Control



APR 14 2015

[illegible]

 <p> CORPORATE OFFICES: 2700 FAIRMONT DR. HOUSTON TX 77041 (800) 777-9378 MAILING: P.O. BOX 40820 HOUSTON TX 77240-8220 </p>	<p> Project Name and Location: DARE COUNTY PRODUCT APPROVAL DARE COUNTY, FLORIDA </p>
<p>SHEET TITLE:</p>	<p>PER PANEL FLASHING DETAIL</p>

Scale: NOT TO SCALE

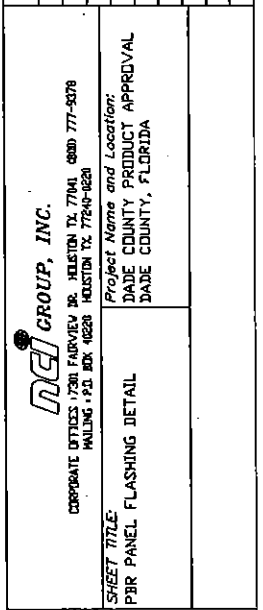
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Checked by: JA

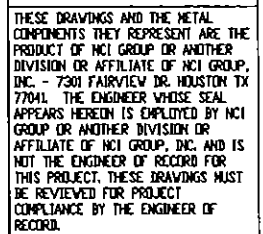
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Sheet Number: B95 / 108

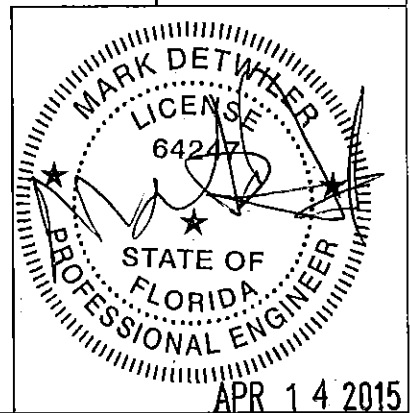
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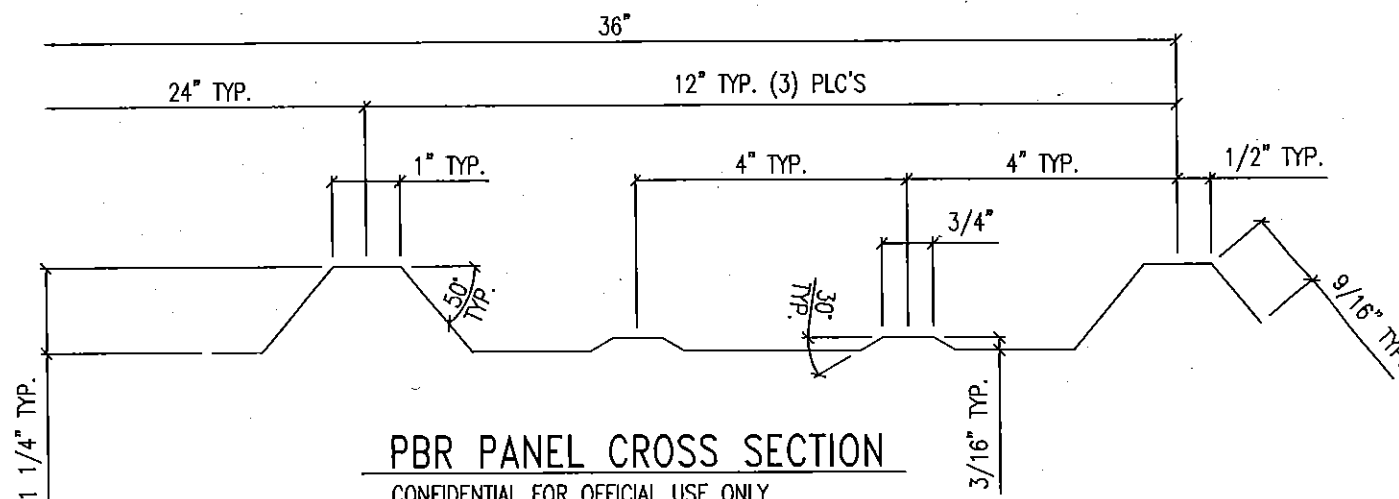
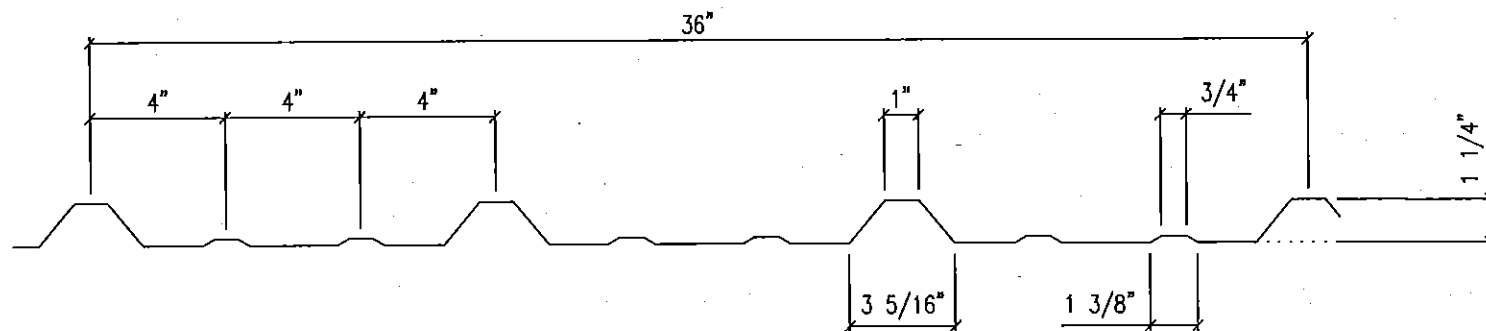
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Scale:	NOT TO SCALE
Drawn by:	EH
Checked by:	JA
Job Number:	96-0529-03
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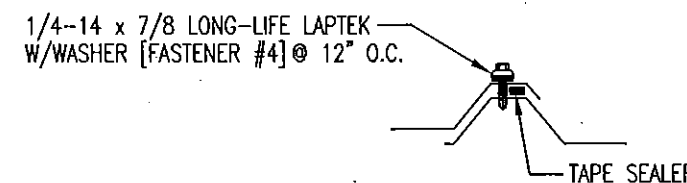
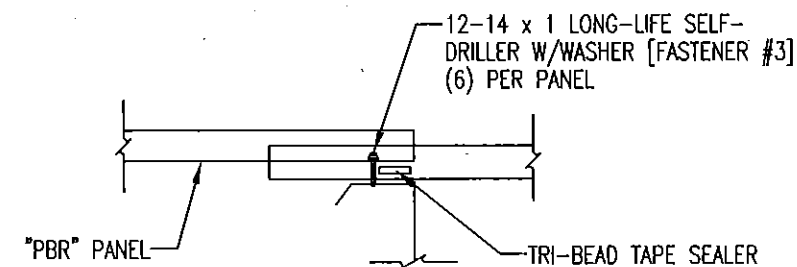
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Miami Dade Product Control





PBR PANEL CROSS SECTION

CONFIDENTIAL FOR OFFICIAL USE ONLY



NOTES:

1. THE 22 GAGE OR 24 GAGE PBR PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY. THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:

- DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS
- ASSEMBLY DETAILS INCLUDING ALL CONNECTIONS FASTENERS DIAGRAM WITH SIZE AND LOCATION.
- PANEL MAXIMUM SPAN AND PRESSURE FOR THE FIELD PERIMETERS AND CORNERS SHOWN.

2. THE MAXIMUM ALLOWABLE SPANS AND PRESSURES FOR THE 24 GAGE STEEL FOR PANEL ARE AS FOLLOWS:

	MAXIMUM PANEL SPAN	MAXIMUM PRESSURE (psf)
FIELD ZONE *	4'-0"	49.40
PERIMETER ZONE *	2'-0"	147.00
CORNER ZONE *	1'-0"	212.00

* ONE (1)-#14 TEK FASTENER PLACED ON ONE SIDE OF EACH RIB (i.e. 1-#14 @ 12")

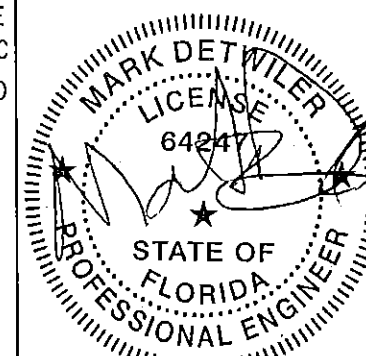
3. THE MAXIMUM ALLOWABLE SPANS AND PRESSURES FOR THE 22 GAGE STEEL FOR PANEL ARE AS FOLLOWS:

	MAXIMUM PANEL SPAN	MAXIMUM PRESSURE (psf)
FIELD ZONE **	4'-0"	53.00
PERIMETER ZONE **	2'-0"	169.00
CORNER ZONE **	1'-0"	238.00

** ONE (1)-#14 TEK FASTENER PLACED ON EACH SIDE OF EACH RIB (i.e. 2-#14 @ 12")

4. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC) FOR USE WITH 5TH EDITION (2014) FBC AND THE 2010 FBC AS APPLICABLE THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.60.

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PANEL PROPERTIES

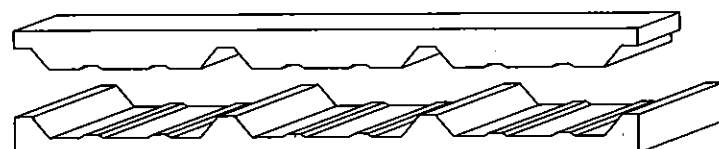
PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS	STEEL COATING	PAINT COATINGS
24	.024 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	SIG 300 KYNAR
22	.029 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	SIG 300 KYNAR

PANEL ACCESSORIES

CONSTRUCTION FASTENERS INC.
SPRING STREET AND VAN REED ROAD
P.O. BOX 6326, WYOMISSING PA 19610

- #14 X 7/8' LAP TEK W/BOND SEAL WASHER
- #12 X 1 SDS W/EPDM WASHER
- #12 X 1 TEK 2 W/BOND SEAL WASHER
- #14 X 7/8' LAP TEK W/EPDM WASHER

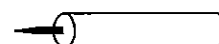
WG-7 INSIDE/OUTSIDE CLOSED CELL POLYETHYLENE FOAM



GULF-SEAL SPECIALTIES, INC.
P.O. BOX 508
SOUTH HOUSTON, TX 77587

- 1/2 X 3/32 TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPRENE)
- TRI-BEAD TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPRENE)
- TRIPLE BEAD TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPRENE)

SCHNEE-MOREHEAD, INC.
111 NORTH NURSERY ROAD
IRVING, TX 75060



PERMATHANE URETHANE CAULK